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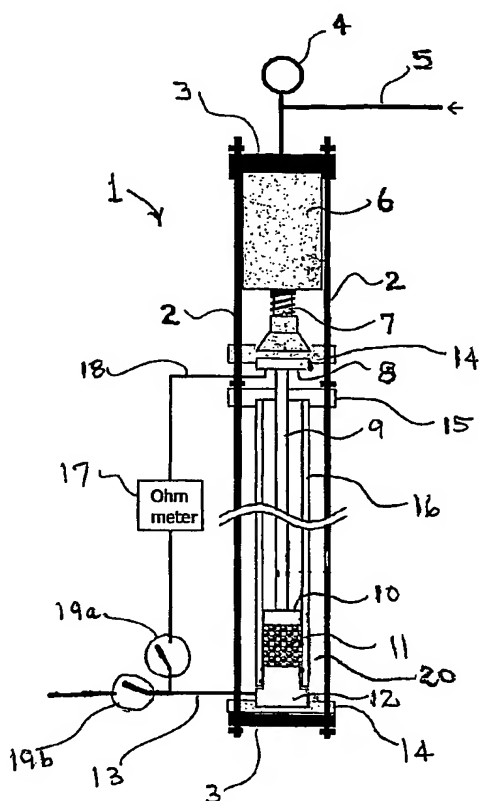
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(54) Title: CARBONIZED CHARCOAL ELECTRODE



(57) Abstract: An apparatus (1) for use of carbonized charcoal powder as an electrode is provided. Charcoal is provided as a powder, carbonized, and placed in a container (16) by which compressive pressure is applied to the carbonized-charcoal powder via one or more sides of the container (16). As a result of the compressive pressure the packed-bed (11) of carbonized-charcoal powder manifests a resistivity of less than about 1 ohm-cm and is suitable for use as an electrode in a fuel cell, battery or electrolyzer. The apparatus is adapted with electrical contacts (8, 9, 10) to conduct electric flow to or from the electrode and adapted for communication of an electrolyte with the electrode.

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